

FIG. 1

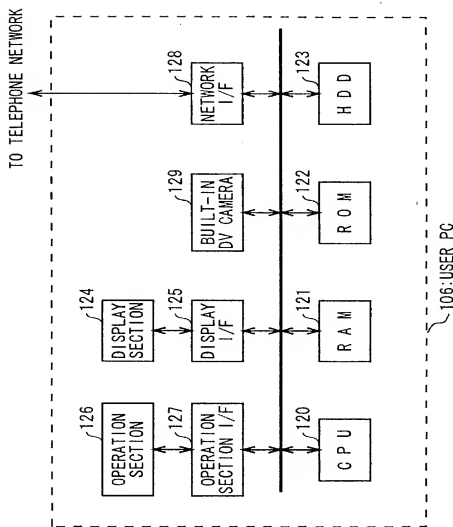


FIG. 2

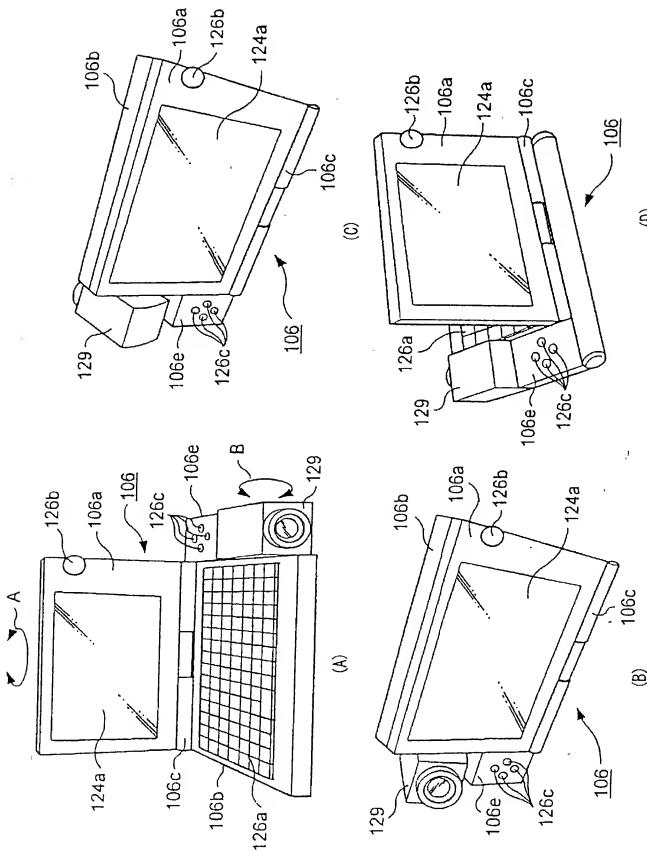


FIG. 3

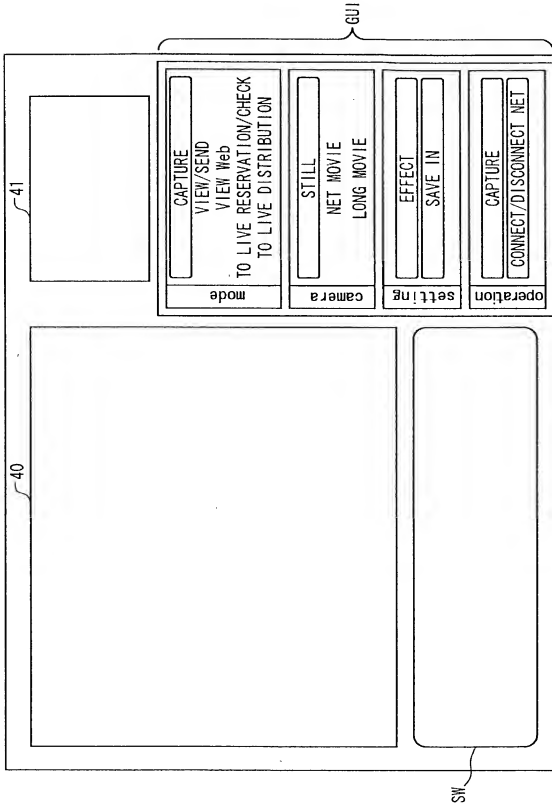
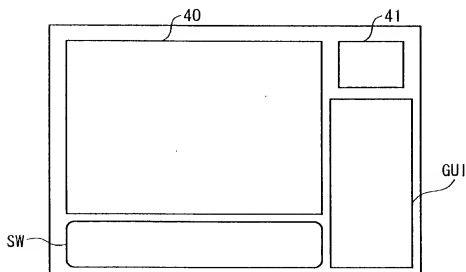
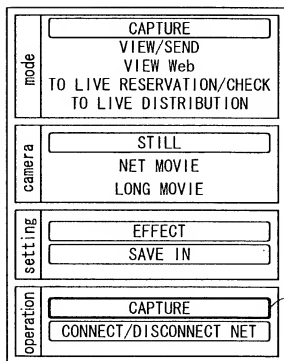


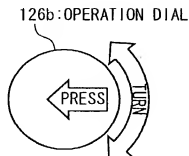
FIG. 4



(A)

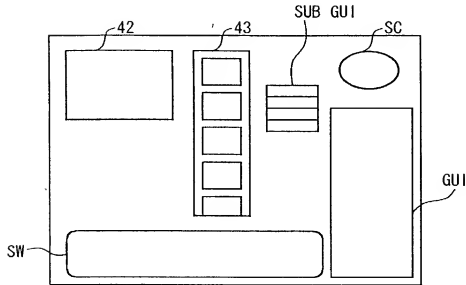


(B)

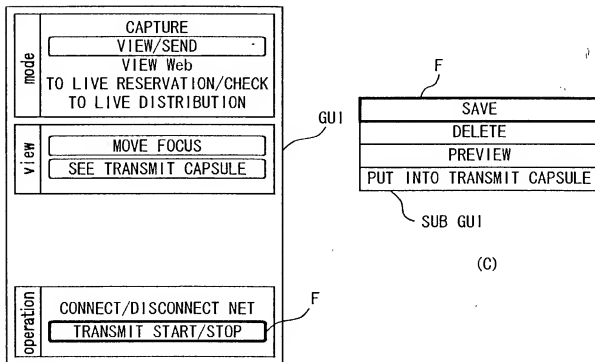


- TURNING OPERATION = MOVE FOCUS
- PRESSING OPERATION = SELECT/DECIDE ITEM

FIG. 5



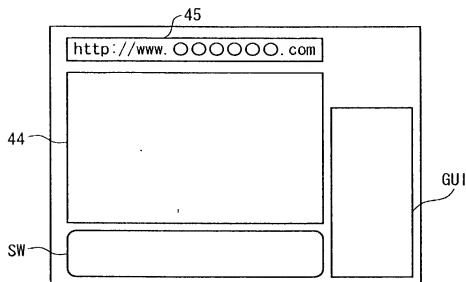
(A)



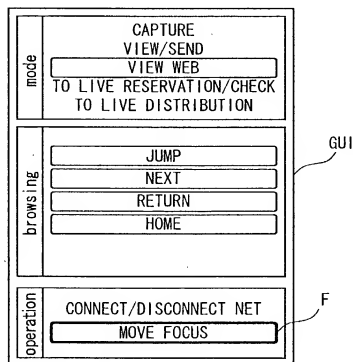
(B)

(C)

FIG. 6

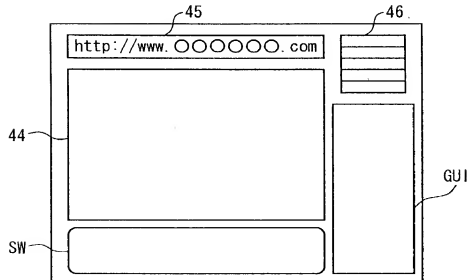


(A)

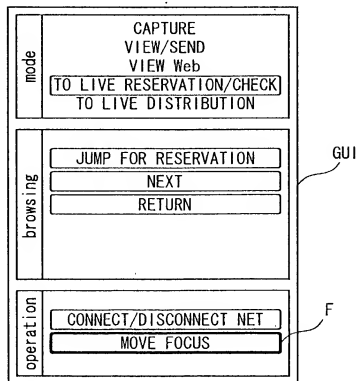


(B)

FIG. 7

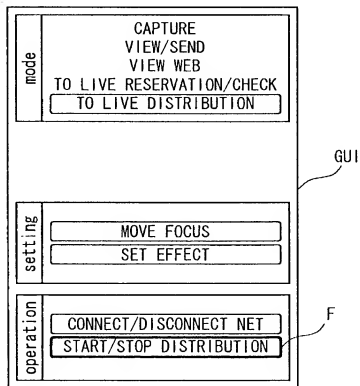
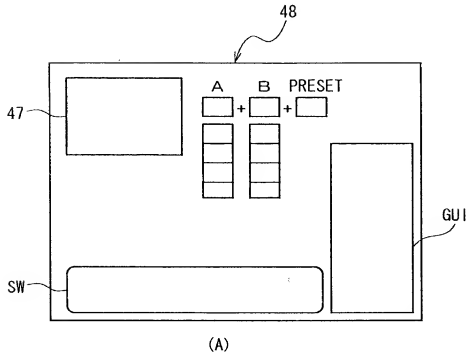


(A)



(B)

FIG. 8



(B)

FIG. 9

9/43

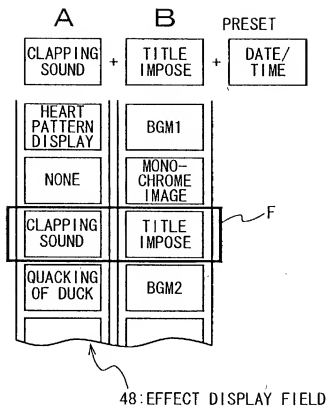


FIG. 10

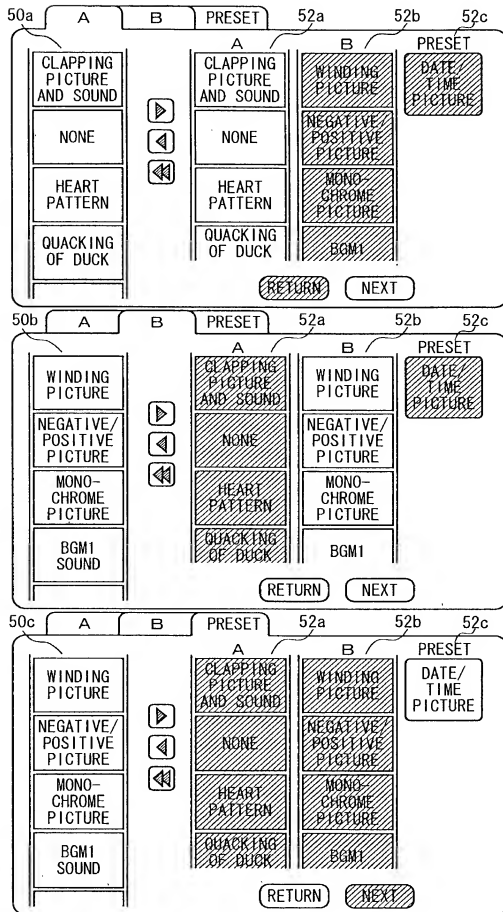


FIG. 11

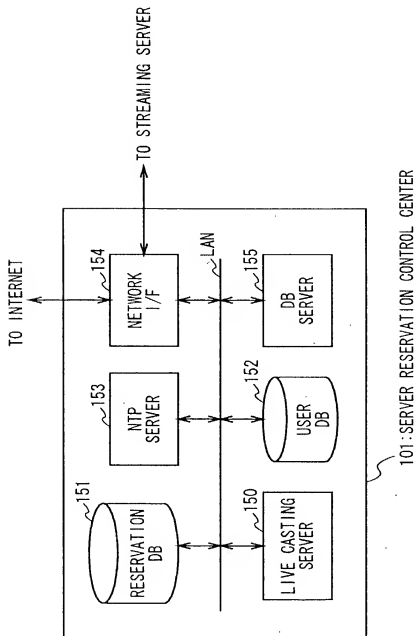


FIG. 12

WELCOME TO PERSONAL CASTING WORLD

- LOG IN
- USER ID:
- PASSWORD:

- MEMBER REGISTRATION
- WHAT IS PERSONAL CASTING TV?
- TODAY' S LIVE
- PROGRAM GUIDE
- MY CHANNEL
- LIVE DISTRIBUTION RESERVATION
- PROGRAM PICKUP
- IMAGE STATION

FIG. 13

REGISTER YOURSELF AS A MEMBER
USING THE PERSONAL CASTING SERVICE REQUIRES YOU
TO BE REGISTERED AS A USER...

CLICK HERE TO REGISTER YOURSELF AS
A MEMBER >>> LINK TO REGISTRATION PAGE >>>

LIVE DISTRIBUTION ALLOWS YOU TO DO THINGS LIKE
EXAMPLE OF USE

TO CARRY OUT LIVE DISTRIBUTION
CARRYING OUT LIVE DISTRIBUTION REQUIRES A CREDIT CARD.

TO VIEW LIVE
VIEWING LIVE REQUIRES REPLAY SOFTWARE.
IF YOU HAVE NONE, PRESS THE FOLLOWING
REPLAY SOFTWARE BUTTON AND DOWNLOAD IT.

REPLAY
SOFTWARE

LIVE DISTRIBUTION PROVIDERS MAY PUT RESTRICTIONS
ON PEOPLE WHO CAN VIEW LIVES BY OBLIGING THEM
TO ENTER PASSWORDS. THESE ARE LIVES THAT THOSE
PROVIDERS DISTRIBUTE ONLY FOR SPECIFIC PEOPLE AND
OTHER PEOPLE CANNOT VIEW.

PROCEDURE UP TO LIVE DISTRIBUTION
PREMIUM MEMBER REGISTRATION
LIVE PLANNING AND PREPARATION
DISTRIBUTION RESERVATION
RESERVATION CHECK
CONNECTION
DISTRIBUTION START

FIG. 14

·CURRENT TIME 15:05 (FOR SERVICE SUPPLY)

·SPECIAL PROGRAM

·GENRE

·TIME

LIVE TITLE PROVIDER OUTLINE MODE

·ON-DEMAND

MOVIE TITLE PROVIDER OUTLINE

OPEN OR CLOSE

·PRIVATE PROGRAM

·GENRE

·TIME

LIVE TITLE

PROVIDER OUTLINE CAPACITY CLOSE

FIG. 15

CURRENT TIME 15:08 (FOR SERVICE SUPPLY)

GENRE: ROCK MUSIC

LIVE TITLE: ○○○○

PROVIDER (MAIL ADDRESS): ΔΔΔ@XX.COM

Homepage: HTTP://WWW.ΔOΔXXX.COM

CAPACITY: 50 PEOPLE

CLOSE OR OPEN

OUTLINE

.....

DETAILS

.....

ENTER PASSWORD:

175

NOTE: REPLAYING THE MUSIC REQUIRES REPLAY SOFTWARE.

REPLAY
SOFTWARE

CLICK TO DOWNLOAD

176

FIG. 16

PROGRAM IN THIS WEEK

JULY		2000				
S	M	T	W	T	F	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

-SPECIAL PROGRAM

JULY 5, 2000

TIME GENRE LIVE TITLE PROVIDER OUTLINE OPENTIME GENRE MOVIE TITLE PROVIDER OUTLINE OPEN

-LIVE CHANNEL

JULY 5, 2000

GENRE TIME LIVE TITLE PROVIDER OUTLINE CAPACITY PRIVATE

FIG. 17

THE CONTENTS OF RESERVATION	USER ID	BILLING FLAG INFORMATION	RESERVATION ID
·DATE/TIME ·2ch ·64kbps · ·	OOOO	ENABLED	x x x x
·DATE/TIME ·4ch ·28.8kbps · ·	x ΔOO	DISABLED	ΔΔΔΔ

FIG. 18

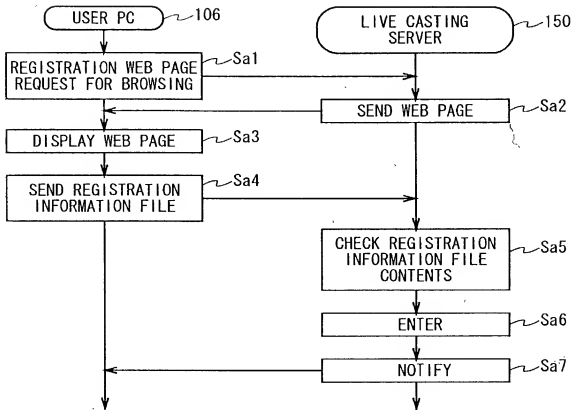


FIG. 19

MEMBER REGISTRATION INPUT SCREEN²¹⁰

INPUT ITEM	INPUT COLUMN
NAME (KANJI) (ALPHABET)	△○ 太郎
DESIRED USER ID	○○ TAROU
PASSWORD	○○○○
E-MAIL ADDRESS	××××
OPEN MAIL ADDRESS?	△△△@○○.COM
	YES

IF YOU WANT TO REGISTER AS A PREMIUM MEMBER, CHECK THE CHECKBOX AND ENTER THE FOLLOWING ITEMS.

PREMIUM MEMBER REGISTRATION ☒ ²¹¹

INPUT ITEM	INPUT COLUMN
ADDRESS	○○CITY○○3-5-5
TELEPHONE NUMBER	03-1234-5670
CREDIT CARD NUMBER	1234-5678-9102
CREDIT CARD EXPIRATION DATE	MAY 2003
CELLULAR PHONE NUMBER	090-1000-2000
FACSIMILE NUMBER	03-1234-5671

CANCEL

212

ENTER

213

FIG. 20

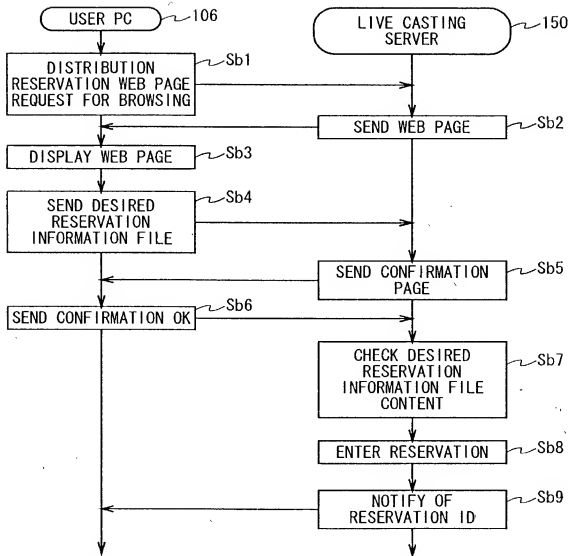


FIG. 21

JULY		2000				
S	M	T	W	T	F	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

220

221

ch NO.	CAPACITY	TRANSMIT BAND	SERVICE FEE	6:00	12:00	18:00	24:00
1	5	28.8	¥1000	RESERVED	FREE	RESERVED	FREE RE
2	10	28.8	¥2000	FREE			RESERVED
3	15	64	¥3000	FREE	RESERVED		FREE RESERV
4	50	64	¥10000	FREE		RE	FREE RESERV
5	100	64	¥15000	RESERVED			FREE
6	150	64	¥20000	FREE	RESERV	FREE	RESERVED
7	100	64	¥50000	FREE	RESERVED		FREE

222

-CHANNEL:CHANNEL 1 (CAPACITY: 5)
 -RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
 -OPEN LEVEL: PUBLIC PASSWORD () SECRET ()
 -TITLE: XXXX LIVE
 -GENRE: MUSIC
 -OPEN OF E-MAIL: YES, NO
 -OPEN OF WEB: YES (URL:), NO
 -PASSWORD:**PASSWORD**
 -FRIEND LIST
 EMAIL ADDRESS () () ()
 -OUTLINE:20 CHARACTERS
 -DETAIL:200 CHARACTERS

223

224

RESERVE

CANCEL

FIG. 22

·USER ID:○○○○
·CHANNEL:CHANNEL 8(CAPACITY: 5)
·RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
·OPEN LEVEL: PUBLIC PASSWORD (XXXXX) SECRET (XXXXX)
·TITLE: XXXX LIVE
·GENRE: MUSIC
·E-MAIL DISCLOSURE: YES, NO
·WEB DISCLOSURE: YES (URL:), NO
·PASSWORD: ** PASSWORD **
·FRIEND LIST
EMAIL ADDRESS (OO@XX.COM) (△△@XX.CO. JP) (XX@OO.COM)
·OUTLINE: UP TO 20 CHARACTERS
·DETAIL: UP TO 200 CHARACTERS

SERVICE FEE: ¥XXXXX

IN ADDITION TO THIS SERVICE FEE, THE CARRIER WILL CHARGE YOU FOR THE TELEPHONE SERVICE TO THE ACCESS PORT SEPARATELY.

△△△@XX000.COM

MAKE SURE THE MAIL ADDRESS ABOVE IS CORRECT.
YOUR RESERVATION ID WILL BE SENT TO THE MAIL ADDRESS ABOVE.
ONCE YOU ACQUIRE THE RESERVATION ID, RECONFIRM THE RESERVATION WITH "MY CHANNEL" BY 6 HOURS BEFORE THE PROGRAM STARTS.
THE RESERVATION WITHOUT RECONFIRMATION WILL BE CANCELED.

240

241

AGREE

CANCEL

FIG. 23

THANK YOU FOR THE RESERVATION.

CHECK THE MAIL AND RECONFIRM THE RESERVATION ON THE
"MY CHANNEL" PAGE USING THE CORRESPONDING PC.

245

OK

FIG. 24

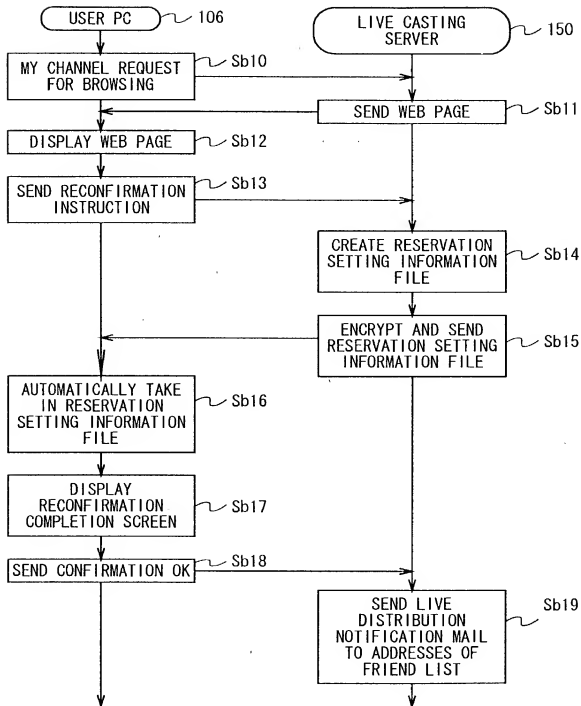


FIG. 25

MY CHANNEL

RESERVATION LIST

250

RESERVATION DATE/TIME, CHANNEL, TITLE,
WAITING FOR RECONFIRMATION, CANCEL

TO CHANGE THE DATE/TIME OR CHANNEL, CANCEL THE RESERVATION
AND MAKE A NEW RESERVATION.

NUMBER OF AUDIENCES

251

YOU CAN VIEW THE NUMBER OF AUDIENCE DATA OF LIVE PROGRAMS
DISTRIBUTED SO FAR.

CHANGE REGISTRATION INFORMATION FILE

252

YOU CAN CHANGE USER INFORMATION HERE.

OK

FIG. 26

·USER ID:○○○○
·CHANNEL:CHANNEL 1 (CAPACITY: 5)
·RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
·OPEN LEVEL: PUBLIC PASSWORD (XXXXX) SECRET (XXXXX)
·TITLE: XXXX LIVE
·GENRE: MUSIC
·OPEN OF E-MAIL: YES, NO
·OPEN OF WEB: YES (URL:), NO
·PASSWORD: ** PASSWORD **
·FRIEND LIST
 EMAIL ADDRESS (OO@XX.COM) (ΔΔ@XX.CO.JP) (XX@OO.COM)
·OUTLINE: UP TO 20 CHARACTERS
·DETAIL: UP TO 200 CHARACTERS

RESERVATION ID:

INPUT THE RESERVATION ID INCLUDED IN THE MAIL.
TO CHANGE THE DATE/TIME OR CHANNEL, CANCEL THIS RESERVATION
AND MAKE A NEW RESERVATION.

PRESSING THE RECONFIRM BUTTON WILL AUTOMATICALLY REGISTER
THE PC CONNECTION SETTING. BE SURE TO RECONFIRM THE
RESERVATION WITH THE CORRESPONDING PC.



FIG. 27

USER ID: ○○○○

LIVE DISTRIBUTION RESERVATION DATE/TIME: 2000:07:05:15:00:00-
2000:07:05:17:00:00

SERVER ACCESSIBLE TIME: 2000:07:05:14:55:00-2000:07:05:17:05:00

ACCESS TELEPHONE NUMBER

CARRIER 01:03-1234-5670

CARRIER 02:03-1234-5671

CARRIER 03:03-1234-5672

CARRIER 04:03-1234-5673

ACCESS SERVER INFORMATION

TYPE OF SERVER: REALSERVER5

SERVER NAME: LIVESERVER.COM

CONNECTION PORT: 555

STREAM PATH TO SERVER: /CHANNEL/STREAM.RM

ADDRESS INFORMATION FOR DISTRIBUTION REQUEST:

rtsp://liveserver.com:554/channel/stream.rm

TRANSMISSION BAND: 28.8KBPS

TITLE: XXXX LIVE

OUTLINE:.....

OPEN LEVEL:.....

FRIEND LIST ADDRESS INFORMATION

LIST 01: 00@XX.COM

LIST 02: ΔΔ@XX.CO.JP

LIST 03: XX@00.COM

PASSWORD FOR DISTRIBUTION REQUEST: XXXX

FIG. 28

16:16 (FOR SERVICE SUPPLY)

16:09 (YOUR PC)

THE RESERVATION HAS BEEN ACCEPTED.

AS SHOWN ABOVE, THERE IS A TIME DIFFERENCE BETWEEN THE SERVICE SUPPLY TIME AND YOUR PC TIME.

NOTE THAT THE RESERVED DISTRIBUTION WILL BE PERFORMED AT THE SERVICE SUPPLY TIME.

YOU CAN ACCESS THE SITE FROM 5 MINUTES BEFORE THE RESERVED TIME.

IF YOU USE A DIALUP ROUTER, REGISTER THE FOLLOWING AS THE DIAL ADDRESS. IN THIS CASE, ONLY CONNECTION VIA ISDN IS AVAILABLE.

ISDN ACCESS PORT NUMBER: 03-1234-5679

LOG IN ID: RESERVATION ID

PASSWORD: XXXXXX

291

0 K

FIG. 29


SENDER: PERSONAL CASTING SERVICE
DATE/TIME: JULY 3, 2000, 17:15
ADDRESS: ΔΔ@XX.CO.JP
SUBJECT: NOTICE OF LIVE DISTRIBUTION
ATTACHMENT:

LIVE DISTRIBUTION BY 000 (USER NAME) WILL BE CARRIED OUT AS FOLLOWS.

·DISTRIBUTION DATE/TIME: JULY 5 15:00 TO 17:00
·TITLE: XXXX LIVE
·ADDRESS FOR DISTRIBUTION REQUEST: rtsp://liveserver.com:554/channel/stream.m
·PASSWORD: XXXXXX

FIG. 30


MY CHANNEL

RESERVATION LIST  250


RESERVATION DATE/TIME, CHANNEL, TITLE, RECONFIRMED, CHANGE, CANCEL

310 311
} }

TO CHANGE THE DATE/TIME OR CHANNEL, CANCEL THE RESERVATION AND
MAKE A NEW RESERVATION.

NUMBER OF AUDIENCES  251

YOU CAN VIEW THE NUMBER OF AUDIENCE DATA OF LIVE PROGRAMS
DISTRIBUTED SO FAR.

CHANGE REGISTRATION INFORMATION FILE  252

YOU CAN CHANGE USER INFORMATION HERE.

OK

FIG. 31

·USER ID:○○○○
 ·CHANNEL: CHANNEL 1 (CAPACITY: 5)
 ·RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
 ·OPEN LEVEL: PUBLIC PASSWORD (XXXXX) SECRET (XXXXX)
 ·TITLE: XXXX LIVE
 ·GENRE: MUSIC
 ·OPEN OF E-MAIL: YES, NO
 ·OPEN OF WEB: YES (URL:), NO
 ·PASSWORD: ** PASSWORD **
 ·FRIEND LIST
 EMAIL ADDRESS (00@XX.COM) (ΔΔ@XX.CO.JP) (XX@00.COM)
 ·OUTLINE: UP TO 20 CHARACTERS
 ·DETAIL: UP TO 200 CHARACTERS

RESERVATION ID:

INPUT THE RESERVATION ID INCLUDED IN THE MAIL.
 TO CHANGE THE DATE/TIME OR CHANNEL, CANCEL THIS RESERVATION
 AND MAKE A NEW RESERVATION.

321 322
 ↙ ↘
 [UPDATE] [RETURN]

FIG. 32

17:08 (FOR SERVICE SUPPLY)
17:11 (YOUR PC)

THE CHANGE HAS BEEN ACCEPTED.
AS SHOWN ABOVE, THERE IS A TIME DIFFERENCE BETWEEN THE SERVICE
SUPPLY TIME AND YOUR PC TIME.
NOTE THAT THE RESERVED DISTRIBUTION WILL BE PERFORMED AT THE
SERVICE SUPPLY TIME.
YOU CAN ACCESS THE SITE FROM 5 MINUTES BEFORE THE RESERVED TIME.

IF YOU USE A DIALUP ROUTER, REGISTER THE FOLLOWING AS THE DIAL
ADDRESS. IN THIS CASE, ONLY CONNECTION VIA ISDN IS AVAILABLE.

ISDN ACCESS PORT NUMBER:
LOG IN ID: RESERVATION ID
PASSWORD: XXXXXX

331

OK

FIG. 33

·USER ID:0000
·CHANNEL: CHANNEL 1 (CAPACITY: 5)
·RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
·OPEN LEVEL: PUBLIC PASSWORD (XXXXX) SECRET (XXXXX)
·TITLE: XXXX LIVE
·GENRE: MUSIC
·OPEN OF E-MAIL: YES, NO
·OPEN OF WEB: YES (URL:), NO
·PASSWORD: ** PASSWORD **
·FRIEND LIST
EMAIL ADDRESS (00@XX.COM) (ΔΔ@XX.CO.JP) (XX@00.COM)
·OUTLINE: UP TO 20 CHARACTERS
·DETAIL: UP TO 200 CHARACTERS

THIS RESERVATION WILL BE CANCELED.

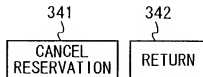


FIG. 34

THE RESERVATION HAS BEEN CANCELED.

343

OK

FIG. 35

·USER ID:○○○○
·CHANNEL: CHANNEL 1 (CAPACITY: 5)
·RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
·OPEN LEVEL: PUBLIC PASSWORD (XXXXX) SECRET (XXXXX)
·TITLE: XXXX LIVE
·GENRE: MUSIC
·OPEN OF E-MAIL: YES, NO
·OPEN OF DISCLOSURE: YES (URL:), NO
·PASSWORD: ** PASSWORD **
·FRIEND LIST
 EMAIL ADDRESS (00@XX.COM) (△△@XX.CO.JP) (XX@00.COM)
·OUTLINE: UP TO 20 CHARACTERS
·DETAIL: UP TO 200 CHARACTERS

RESERVATION ID:

IF YOU USE A DIALUP ROUTER, REGISTER THE FOLLOWING AS THE DIAL ADDRESS. IN THIS CASE, ONLY CONNECTION VIA ISDN IS AVAILABLE.

ISDN ACCESS PORT NUMBER:
LOG IN ID: RESERVATION ID
PASSWORD: XXXXXXXX

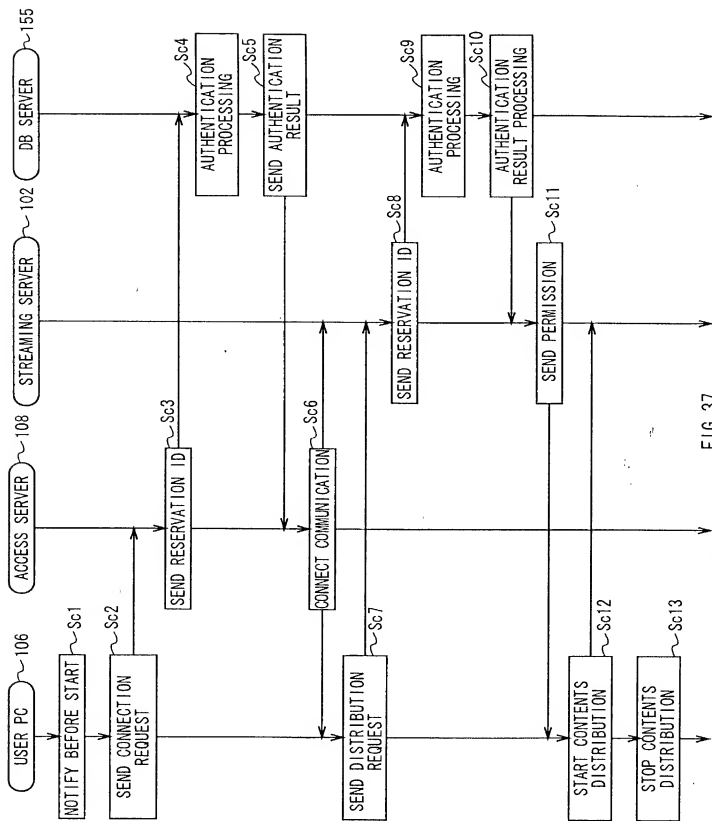
361

362

REENTER PC CONNECTION SETTING

RETURN

FIG. 36



CURRENT TIME 15:08 (FOR SERVICE SUPPLY)

390

GENRE: ROCK MUSIC

LIVE TITLE: ○ ○

PROVIDER (MAIL ADDRESS): ○ ○ ○ ○ ○ ○ ○ ○

HOME PAGE: http://

CAPACITY: 50 PEOPLE

CLOSED OR OPEN

OUTLINE

.....

DETAILS

.....

ENTER PASSWORD:

REPLAY 175

NOTE: REPLAYING THE MUSIC REQUIRES REPLAY SOFTWARE.

REPLAY SOFTWARE 176

CLICK TO DOWNLOAD

Detailed description of FIG. 38: The diagram shows a web browser window. The title bar at the top has a close button (x) and a maximize button (o). Below the title bar is a menu bar with several circular icons (o). The main body of the browser is a large empty rectangle. At the bottom of the browser window is a status bar with three circular icons (o). To the left of the browser window, there are several text labels: 'CURRENT TIME 15:08 (FOR SERVICE SUPPLY)', 'GENRE: ROCK MUSIC', 'LIVE TITLE: ○ ○', 'PROVIDER (MAIL ADDRESS): ○ ○ ○ ○ ○ ○ ○ ○', 'HOME PAGE: http://', 'CAPACITY: 50 PEOPLE', 'CLOSED OR OPEN', 'OUTLINE', '.....', 'DETAILS', '.....', 'ENTER PASSWORD:'. Below the browser window, there is a button labeled 'REPLAY' with a reference numeral 175 pointing to it. Below that is a note: 'NOTE: REPLAYING THE MUSIC REQUIRES REPLAY SOFTWARE.' At the bottom right, there is a button labeled 'REPLAY SOFTWARE' with a reference numeral 176 pointing to it, and a link labeled 'CLICK TO DOWNLOAD'. A reference numeral 390 points to the top right corner of the browser window.

FIG. 38

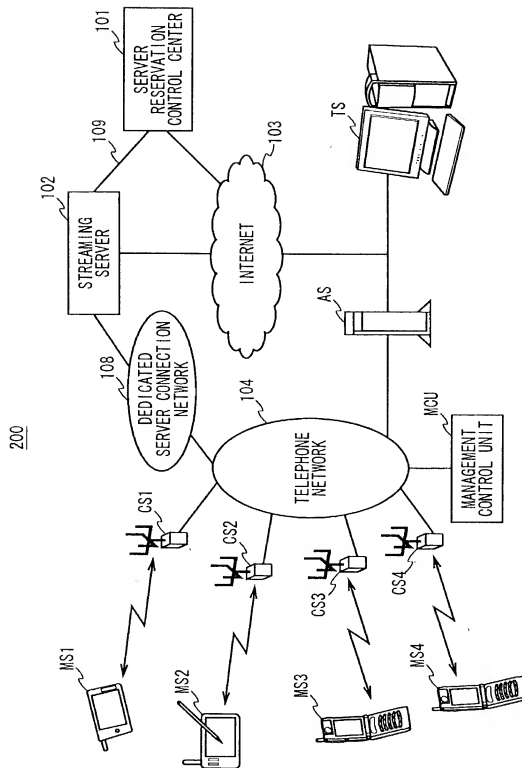


FIG. 39

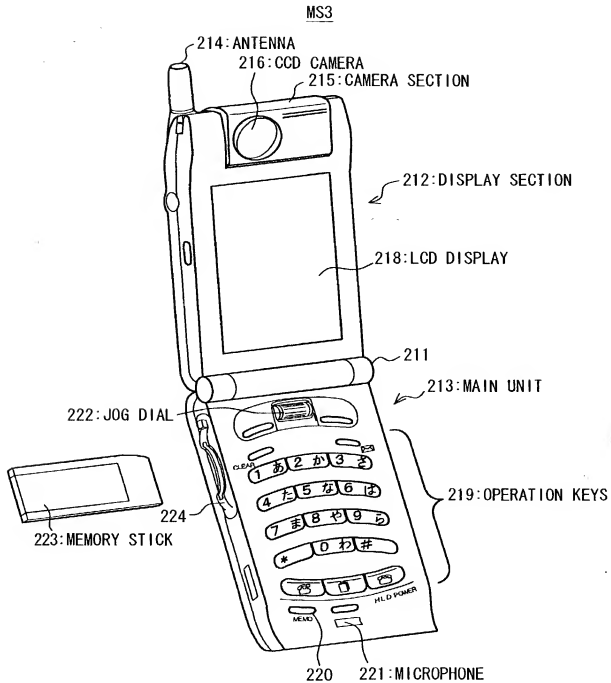


FIG. 40

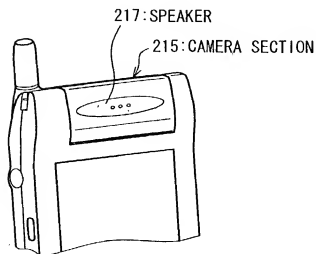


FIG. 41

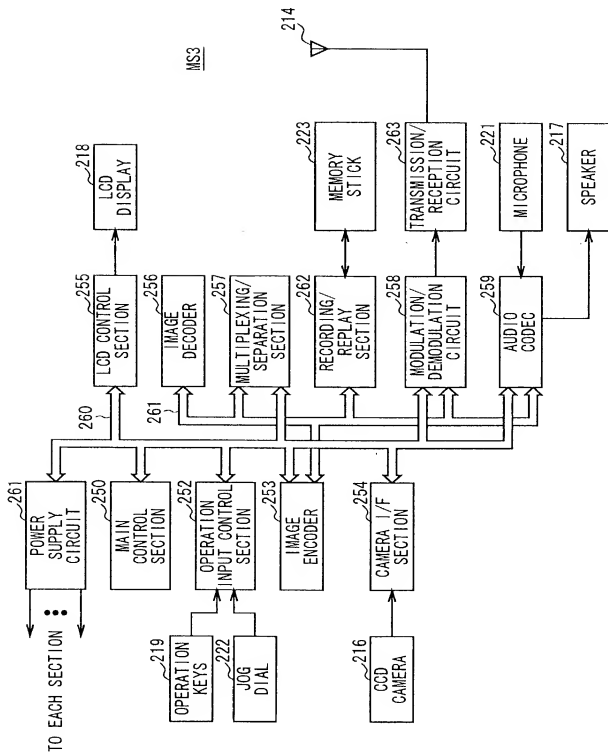


FIG. 42

Explanation of Reference Numerals

100...content supply system, 101...server reservation control apparatus, 102...streaming server, 103...internet, 104...telephone network, 106...user PC, 107...client PC, 108...dedicated server connection network, 150...live casting server, 151...reservation database, 152...user database, 153...NTP server, 154...network interface, 155...database server, 200...network system, MS3, MS4...camera-integrated digital cellular phone